



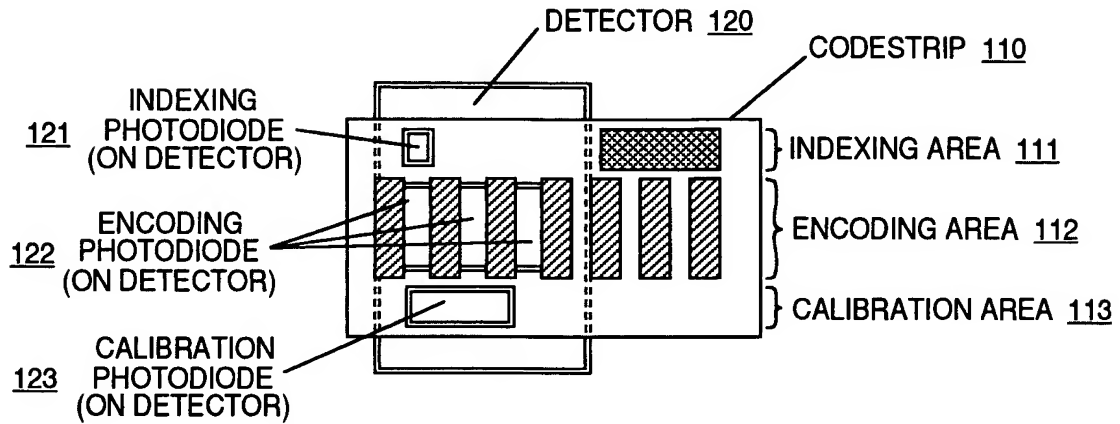
TITLE: A METHOD AND APPARATUS FOR AUTOMATIC MODULATION OF  
PHOTO-EMITTER BRIGHTNESS IN AN OPTICAL ENCODER

INVENTOR(S): Seela Raj D. Rajaiah and Hassan Bin Haji Hussain

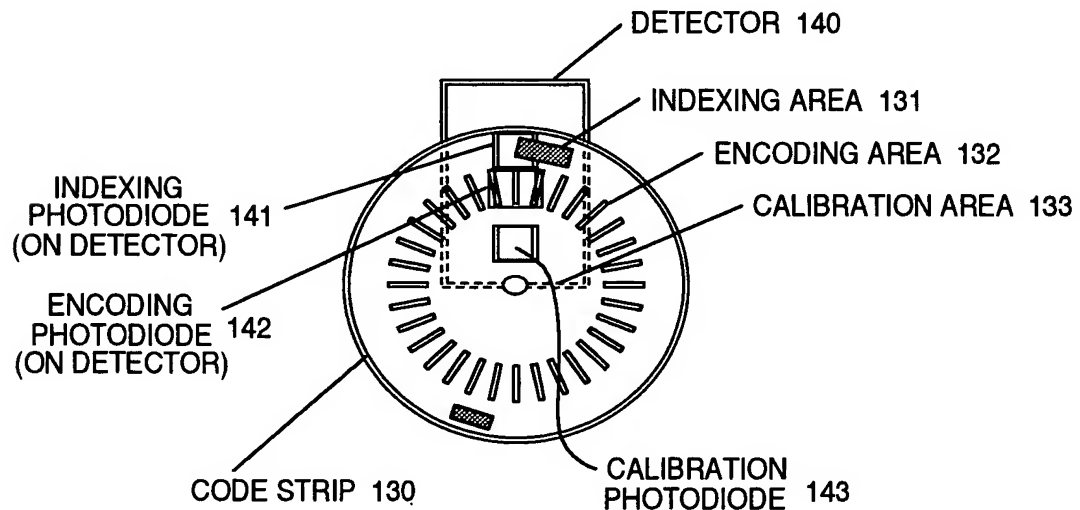
USSN: 10/799,850 Attorney Docket #: 70040132-1

1 / 5

100



**FIGURE 1A**



**FIGURE 1B**

2 / 5

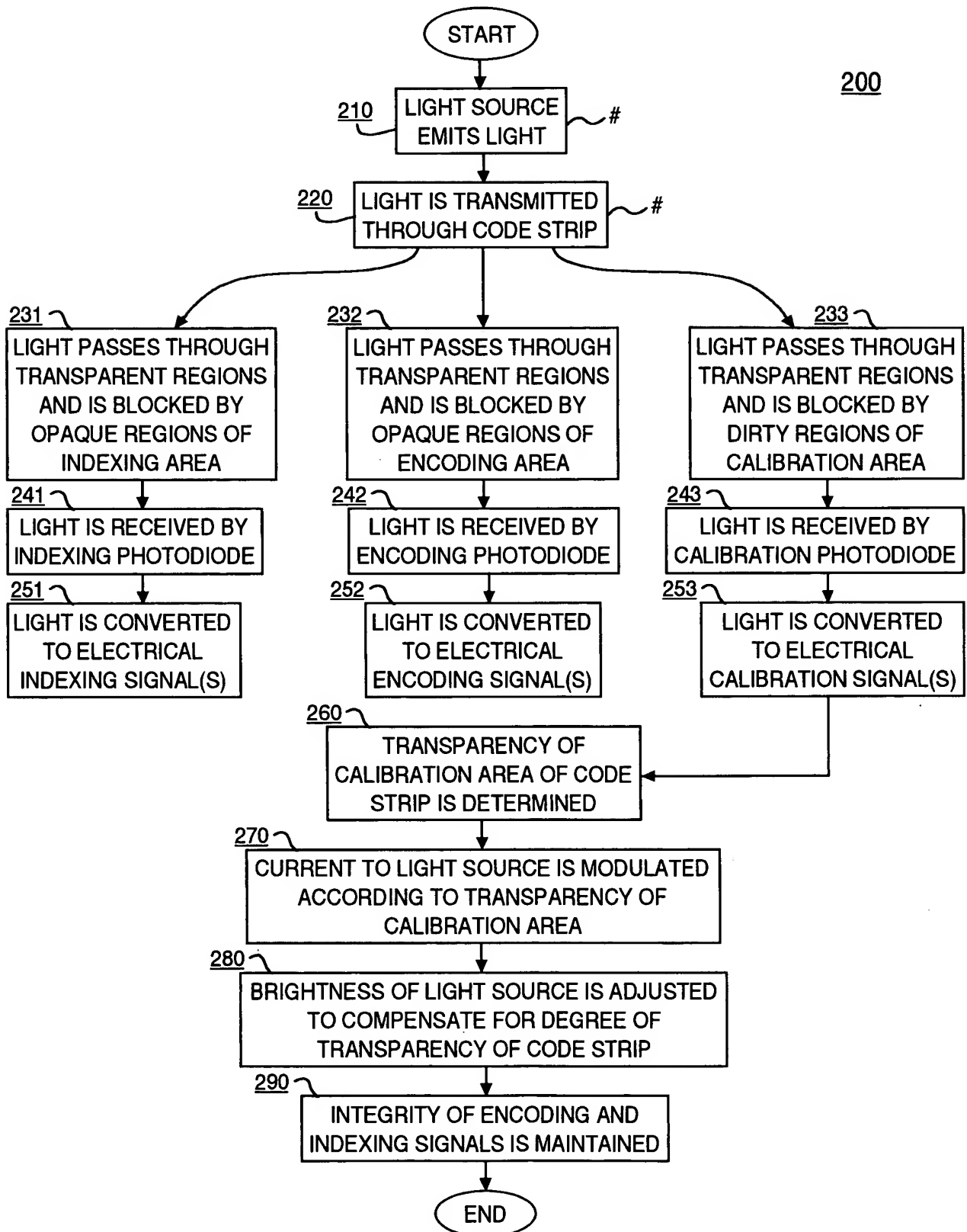


FIGURE 2

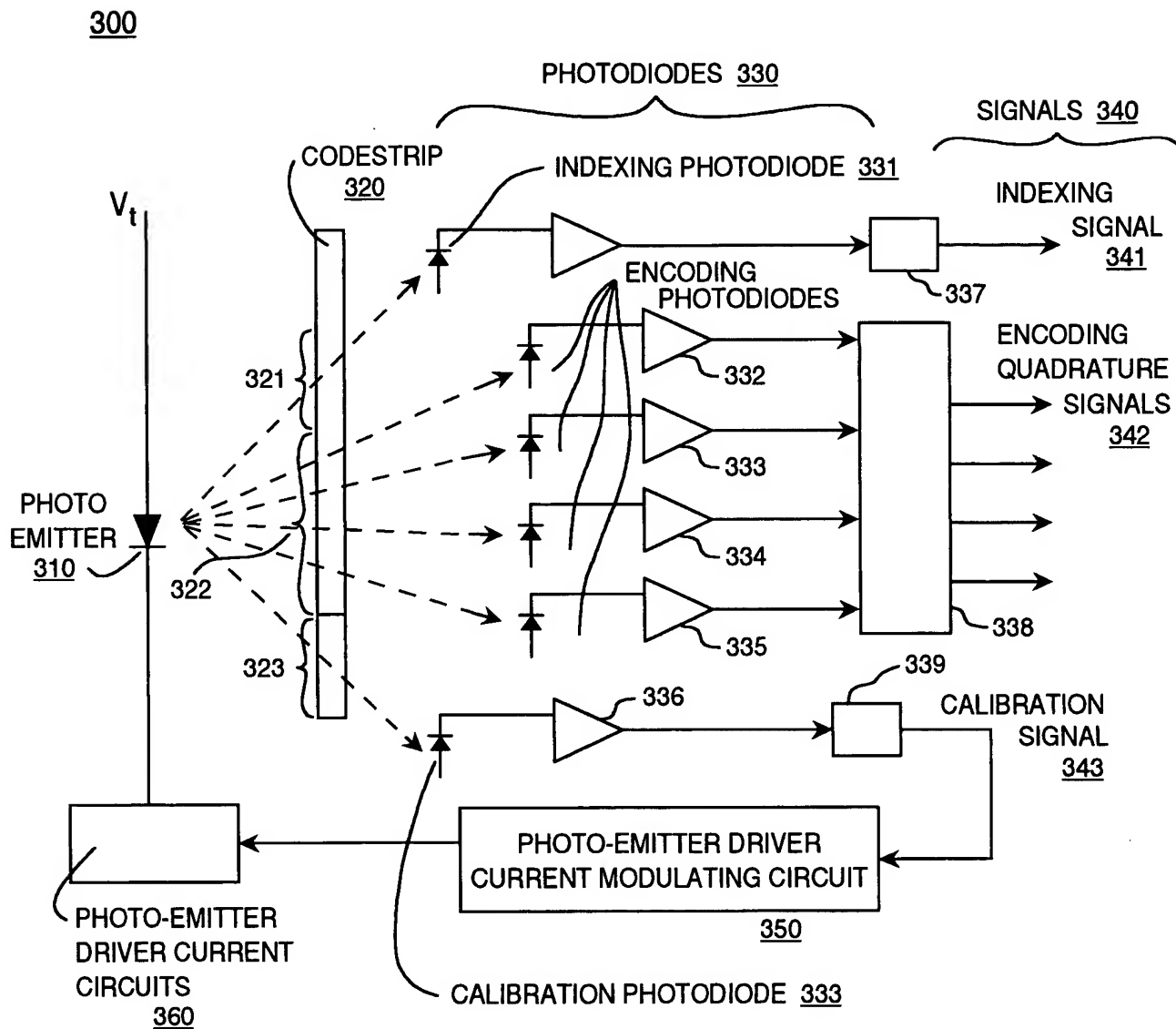


FIGURE 3

4 / 5

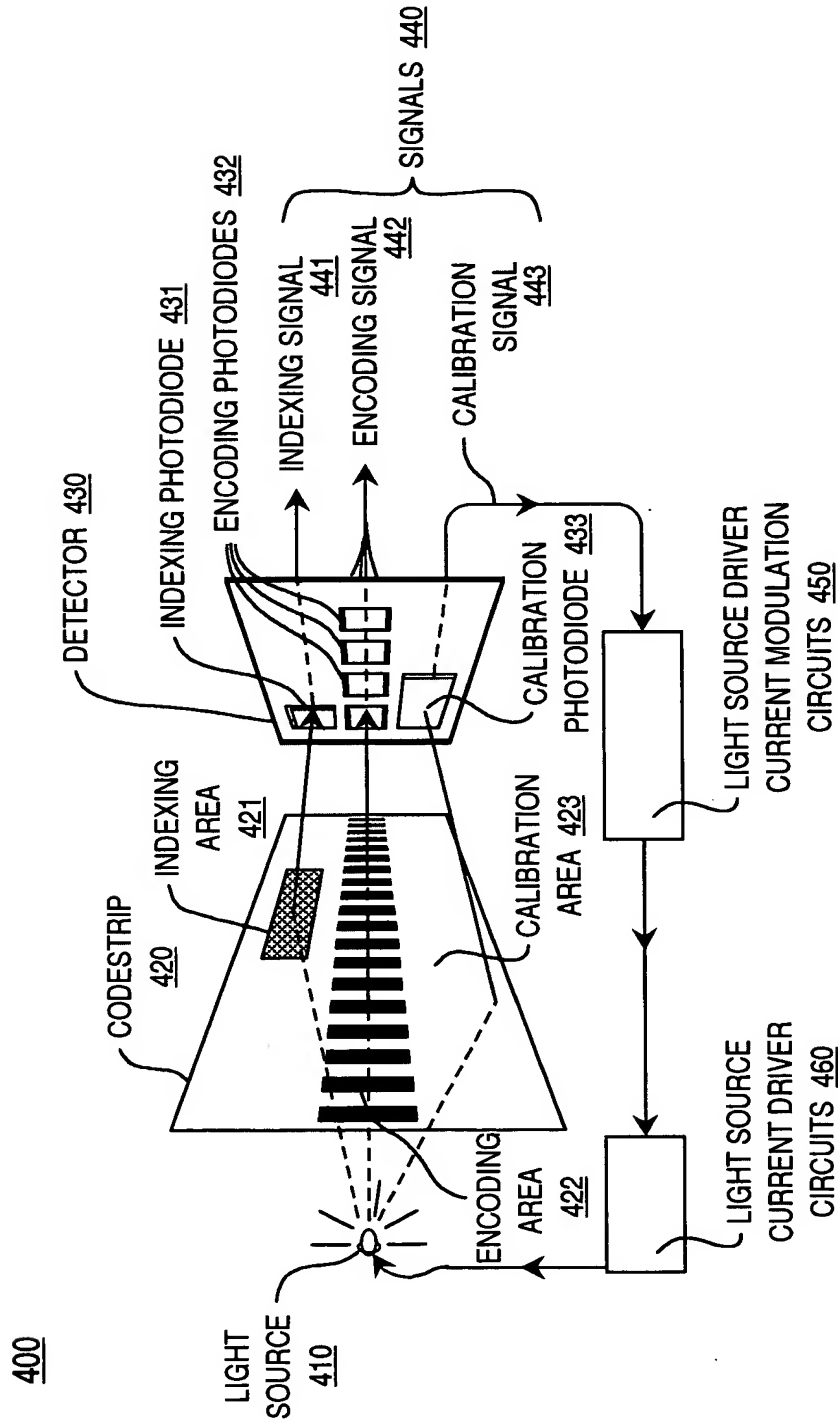


FIGURE 4

500

$$c = f(r, b)$$

$$b = f(a)$$

$c$  = clarity of signal

$r$  = transparency of codestrip

$b$  = brightness of light source

$a$  = current to light source

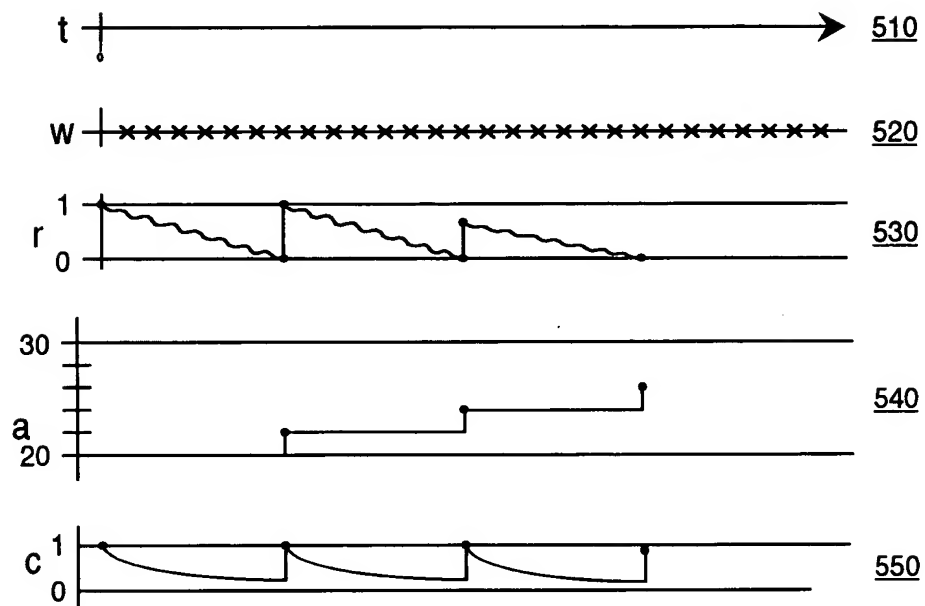


FIGURE 5